

ABSTRACT OF THE DISCLOSURE

A system for and method of analyzing packet traffic in a packet-switched network, including collecting traffic logs from a network operations center, wherein the traffic logs are representative of packet traffic passing through an actual configuration of the network, and
5 wherein each traffic log includes the time the traffic log was created and an associated packet's network entry and exit points. The collected traffic logs are stored in a computer such that the traffic logs can be replayed. A computer file is thereafter created and is representative of a modified network configuration that is different from the actual configuration of the network. The traffic logs are replayed in coordination with the modified network configuration to generate
10 a histogram file representative of packet traffic passing through or via at least one of a host, node or link in the modified network configuration.